Proposal for amendments to the proposal for 02 series of amendments to the UN Regulation No. 152 (Advanced Emergency Braking Systems for M1 and N1 vehicles)

The text reproduced below was prepared by the experts from the Informal Working Group on Advanced Emergency Braking Systems (AEBS) for vehicles of Categories M1 and N1 in order in order to supplement the proposals of document GRVA/2020/28 to improve the text on a number of issues. The modifications to the text of document GRVA/2020/28 are marked in bold for new and strikethrough for deleted characters.

I. Proposal

*Paragraph 6.7.*, amend to read (addition of a 3rd column in the tables):

“6.7. Warning and Activation Test with a Bicycle Target

6.7.1. The subject vehicle …

Subject vehicle test speed for M1 category in bicycle target scenario

|  |  |  |
| --- | --- | --- |
| ***Maximum mass*** | ***Mass in running order*** | ***Tolerance*** |
| **20** | **20** | **+2/-0** |
| **38** | **40** | **+0/-2** |
| **60** | **60** | **+0/-2** |

|  |  |
| --- | --- |
| *~~Maximum mass~~* | *~~Mass in running order~~* |
| ~~30~~ | ~~30~~ |
| ~~38~~ | ~~38~~ |
| ~~60~~ | ~~60~~ |

…

Subject vehicle test speed for N1 category in bicycle target scenario

|  |  |  |
| --- | --- | --- |
| ***Maximum mass*** | ***Mass in running order*** | ***Tolerance*** |
| **20** | **20** | **+2/-0** |
| **36** | **40** | **+0/-2** |
| **60** | **60** | **+0/-2** |

|  |  |
| --- | --- |
| *~~Maximum mass~~* | *~~Mass in running order~~* |
| ~~30~~ | ~~30~~ |
| ~~35~~ | ~~38~~ |
| ~~60~~ | ~~60~~ |

All values …”

II. Justifications

**Tolerances in the test section**

At low test speeds, the current tolerance would force testing at e.g. 18 km/h, i.e. at speeds beyond the operating design domain of the system. The tolerance must hence be shifted into the domain of operation.